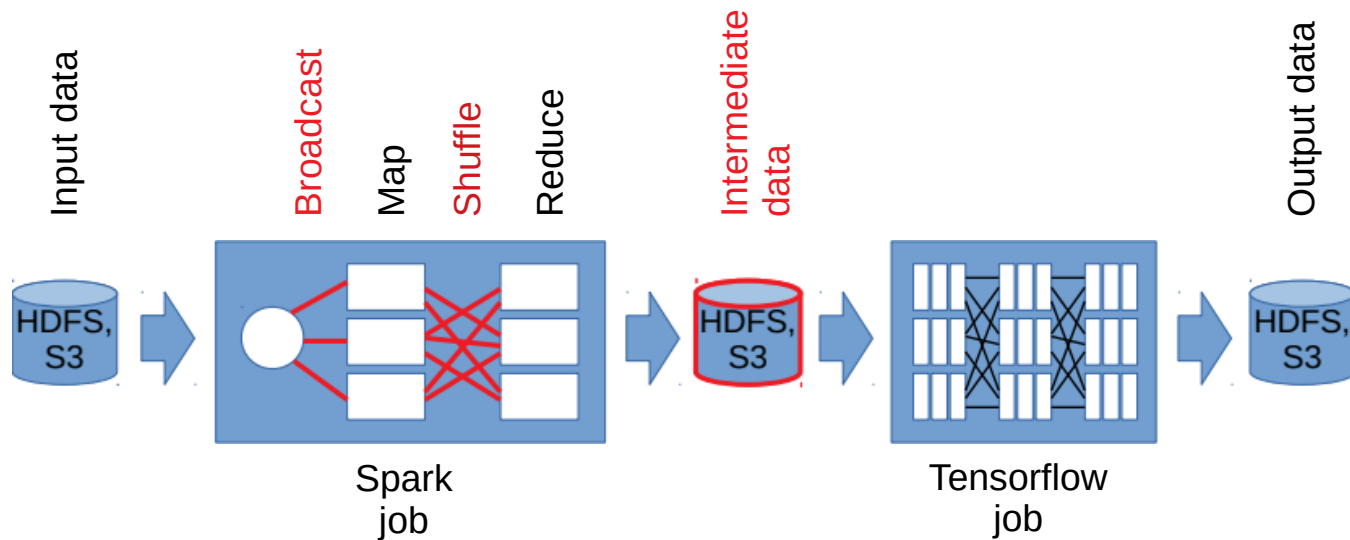


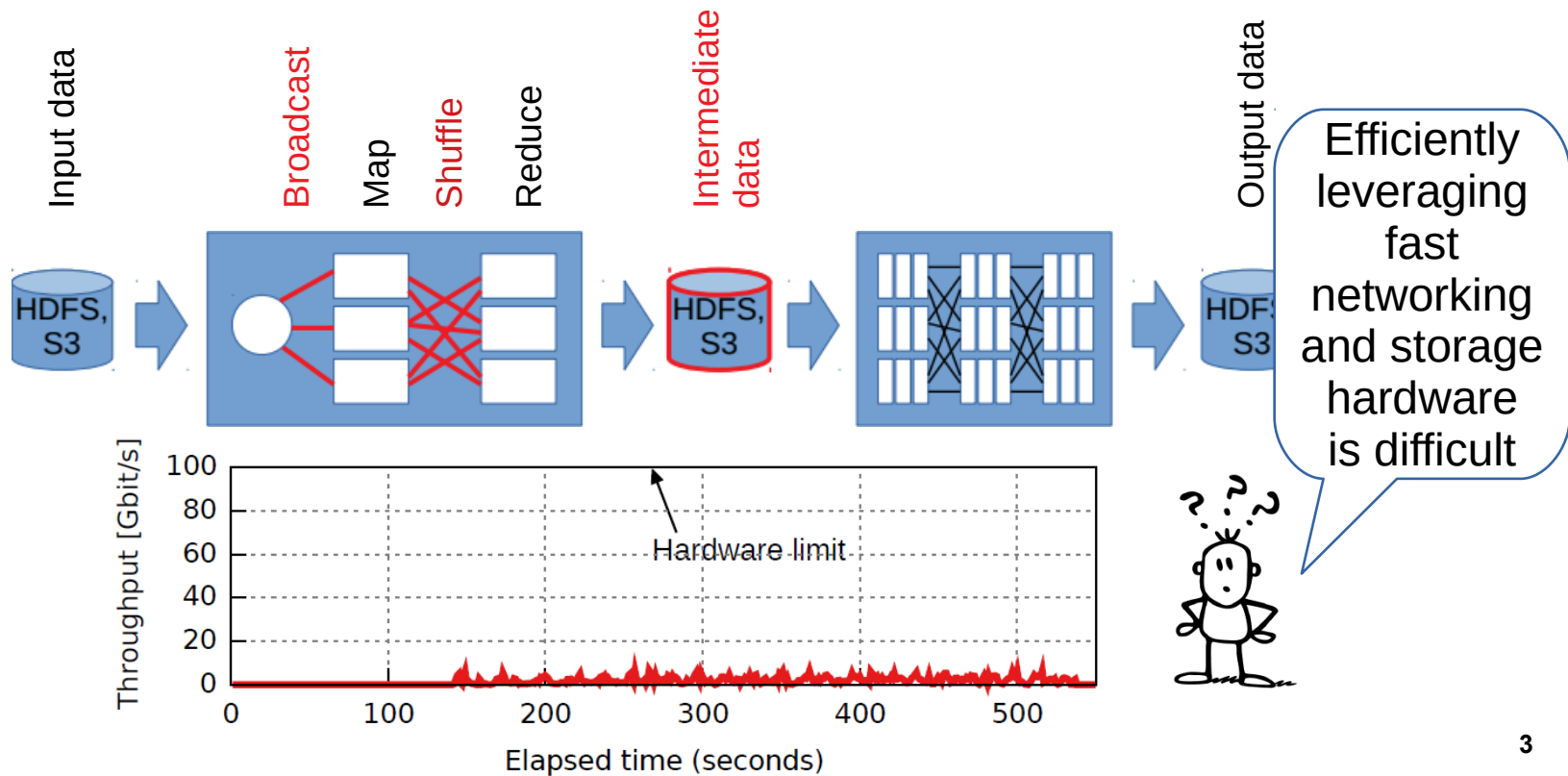
# Unification of Temporary Storage in the NodeKernel Architecture

Patrick Stuedi, Animesh Trivedi, Jonas Pfefferle, Ana Klimovic,  
Adrian Schuepbach, Bernard Metzler

# Managing Temporary Data

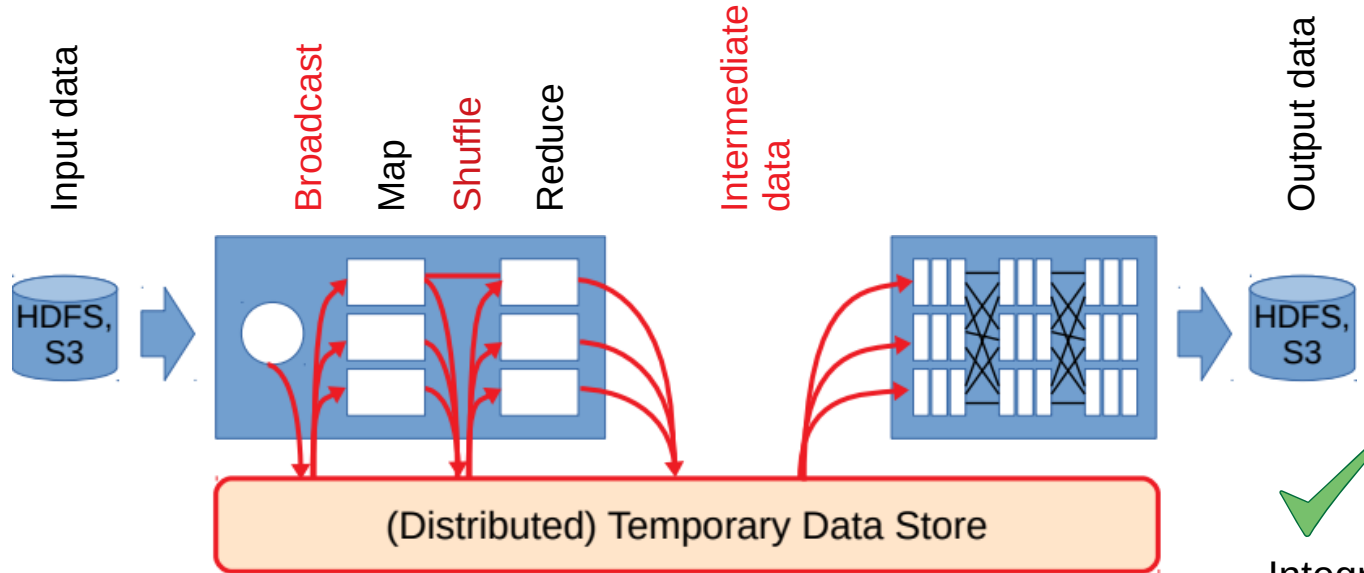


# Running on Modern Hardware



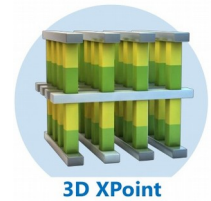


# Flexible: Using an External Store

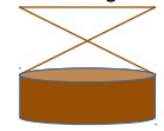


Integrate hardware once and support different operations and frameworks

memory



Disaggregated Storage



# In the Talk...

- How should such a data store look like?

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- Can we use existing distributed KV stores or filesystems?
- NodeKernel: distributed storage architecture for temporary data storage designed for RDMA & NVMe Flash
  - Fast, flexible, easy to use from Spark, Flink, etc.

